

ASSISTANT COMMISSIONER FOR PATENTS
Washington, DC 20231



GP 2632
Docket No.: 510.1007
Date: January 23, 2003

In re application of: Joachim Gloger, et al.
Serial No.: 09/862,947
Filed: May 22, 2001
For: CAMERA-BASED PRECRASH DETECTION SYSTEM

Sir:

Transmitted herewith is a Response to Office Action (5 pgs) in the above-identified application.

- [] Small entity status under 37 C.F.R. 1.9 and 1.27 has been previously established.
[] Applicants assert small entity status under 37 C.F.R. 1.9 and 1.27.
[X] No fee for additional claims is required.
[] A filing fee for additional claims calculated as shown below, is required:

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FOR:	(Col. 1)	(Col. 2)		SMALL ENTITY		OR	LARGE ENTITY	
	REMAINING	HIGHEST		RATE	FEE		RATE	FEE
	AFTER	PREVIOUSLY	PRESENT					
	AMENDMENT	PAID FOR	EXTRA					
TOTAL CLAIMS	* Minus**	=	0	x \$	9		x \$	18
INDEP. CLAIMS	* Minus***	=	0	x \$	42		x \$	84
[] FIRST PRESENTATION OF MULTIPLE DEP. CLAIM				+	\$140		+	\$280

TOTAL: \$ OR TOTAL: \$

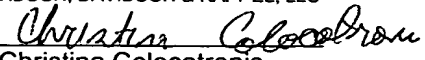
- * If the entry in Co. 1 is less than the entry in Col. 2, write "0" in Col. 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

- [X] Also transmitted herewith are:
[] Petition for extension under 37 C.F.R. 1.136 (in duplicate)
[X] Other: One (1) Figure; Courtesy Copy of UK Patent GB 2 368 118 B;
- [X] Check(s) in the amount of \$180.00 is attached to cover:
[] Filing fee for additional claims under 37 C.F.R. 1.16
[] Petition fee for extension under 37 C.F.R. 1.136
[X] Other: Information Disclosure Stmt (2 pgs) w/ PTO 1449 (1 pg) and cited references.
- [X] The Assistant Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-0552.
- [X] Any filing fee under 37 C.F.R. 1.16 for the presentation of additional claims which are not paid by check submitted herewith.
- [X] Any patent application processing fees under 37 C.F.R. 1.17.
- [X] Any petition fees for extension under 37 C.F.R. 1.136 which are not paid by check submitted herewith, and it is hereby requested that this be a petition for an automatic extension of time under 37 CFR 1.136.


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I hereby certify that this correspondence and/or documents referred to as attached therein and/or fee are being deposited with the United States Postal Service as "first class mail" in an envelope with sufficient postage addressed to "Assistant Commissioner for Patents, Washington, D.C. 20231" on January 23, 2003.

DAVIDSON, DAVIDSON & KAPPEL, LLC

BY: 
Christina Colocotronis



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Re: Application of: **Joachim GLOGER, et al.**
Serial No.: 09/862,947
Filed: May 22, 2004
For: **CAMERA-BASED PRECRASH
DETECTION SYSTEM**
Art Unit: 2632
Examiner: Son M. Tang

510.1007

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2-4-03

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Assistant Commissioner for Patents
Washington, D.C. 20231
BOX FEE

January 23, 2003

RESPONSE TO OFFICE ACTION

In response to the office action dated October 23, 2003, please amend the above-identified application as follows. Applicants respectfully request reconsideration of the application based on the following amendments and remarks.

IN THE CLAIMS

1. (Once amended) A method for detecting road users and obstacles as a function of camera images so as to determine their distance from an observer and to classify them, comprising the steps of:

a1 identifying regions within a two-dimensional camera image using a classifier designed for detecting road users and obstacles;

marking and ranging, in a subsequent step, the identified regions using a distance-measuring sensor with respect to their distance from the observer; and

subsequently type classifying the identified regions using a type classifier.

*
?
What type of vehicle.